



BOROUGH OF WALLSEND.

ANNUAL REPORT


OF THE

Medical Officer of Health

FOR THE

YEAR ENDING 1909.

Wallsend-on-Tyne :
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ANNUAL REPORT, 1909.

*To the
Mayor and Corporation of Wallsend.*

GENTLEMEN,

Herewith I beg to submit to you my Annual Report for the year ended 31st December, 1909.

Locality.	Area in Acres.	Inhabited Houses 1909.	Estimated Popu- lation to the middle of year 1909.	Average Number of Persons per House.
Borough of Wallsend	1,202	5,882	29,000	5

Estimated Population	...	...	29,000.	
Birth Rate	...	...	29·34	per 1,000 population.
General Death Rate	...	...	12·5	" "
Death Rate (Deaths registered in the District	...	...	11·9	" "
Infant Mortality Rate	...	...	125·7	" births.
Zymotic Death Rate	...	...	1·7	" population.

SUB-DIVISIONS.	POPULA- TION.	BIRTHS.		DEATHS.		INFANT DEATHS.	
		No.	Rate per 1,000.	No.	Rate per 1,000.	No.	Rate per 1,000 Births,
1. Northumberland ...	2,800	83	29·6	47	16·7	12	144·5
2. Wallsend ...	4,000	136	34·0	74	18·5	20	147·0
3. Carville... ..	3,600	99	27·5	66	18·3	19	190·0
4. Buddle	4,100	136	33·17	39	9·5	12	88·2
5. Holy Cross	12,400	331	26·6	113	9·1	40	120·8
6. Hadrian... ..	2,100	66	31·4	26	12·3	7	106·0
Whole District ...	29,000	851	29·34	365	12·5	110	125·7

Carville Ward still maintains its high death rate. The general death rate of Hadrian Ward—12·3 per 1,000, and infantile mortality rate—106·0 per 1,000, is satisfactory in comparison with either Carville or Wallsend Wards. The notable feature of the Hadrian Ward is that its houses are mostly self-contained.

Births.

The number of births registered in the district was 851—a decrease of 142 under last year—giving a birth rate of 29·34. Last year the rate was 35·4.

Deaths.

The number of deaths (obtained by adding to the registered number, 21 deaths of residents occurring outside the district, and deducting 2 deaths of non-residents which occurred in the district) was 365. This gives a death rate of 12·5 per 1,000. For an Urban District with a working class population, the death rate is fairly satisfactory.

Death rates of previous years were:—

1902, 16·6 ; 1903, 15·6 ; 1904, 15·3 ; 1905, 12·7 ;
1906, 14·7 ; 1907, 13·8 ; 1908, 12·2.

Infantile Mortality.

The deaths of infants under 1 year of age (110) show a decrease of 3 on the returns for the previous year, and represent a rate of 129·1 per 1,000 births. The increase is due principally to Whooping Cough. The number of deaths from this disease is in a great measure due to not receiving attention in its earlier stages. It is only when it becomes complicated with Pneumonia that medical aid is sought. Other diseases which show an increase upon last year are General Debility, Pneumonia, and Bronchitis.

Notification of Births Act.

For the purpose of carrying out the provisions of this Act, the Sanitary Committee have engaged a nurse belonging to the Wallsend District Nursing Association, who visits all births notified by midwives and other women, and when required by medical practitioners. The nurse has visited 484 cases, and a pamphlet on the feeding of babies, approved by the Sanitary Committee, has been delivered to each case.

23 babies were found to be artificially fed ; 21 cases of Ophthalmia occurred ; 19 of these were cured. In one case the sight of both eyes, and in the other the sight of one eye, was destroyed.

Deducting 90 cases—which could not be followed up, owing to change of address—from the 484 cases visited by the nurse, there remained 394 cases which were under observation for a period of 12 months. Of this number 24 died, giving a death rate of 60·9 per 1,000, as against 129·1 per 1,000 for total number of births registered in the district.

By the courtesy of the Registrar of Births, Mr. Robert Davidson, information was obtained of 60 births that had not been notified in compliance with the provisions of this Act.

The Infantile Mortality rate for legitimate children is 126·9. Of 16 illegitimate children, 4 died.

Zymotic Death Rate.

The death rate from the seven principal Zymotic Diseases, viz. :—Smallpox, Measles, Scarlet Fever, Diphtheria, Whooping Cough, Fever, and Diarrhoea, was 1·7 per 1,000. The increase of the rate over last year is due to the inclusion of Whooping Cough and Diarrhoea.

Infectious Diseases.

During the year 216 cases of Infectious Disease were notified, and of this number, 124, or 57·4 per cent. were removed to Hospital.

Cases notified :—Scarlet Fever, 108 ; Diphtheria (including Membraneous Croup, 81 ; Erysipelas, 18 ; Enteric Fever, 9. Total 216.

The number of cases of diphtheria notified this year is practically the same as last year. This matter has received the special attention of the Sanitary Committee. I prepared a report on the number of cases of Diphtheria notified during the year 1908 for the Local Government Board ; and a joint report by the Sanitary Inspector and myself, on the same subject, was submitted to the Sanitary Committee, who appointed a Sub-Committee to consider the same. As many complaints had been received at the Health Department, of bad smells emanating from the sewers, an examination of the sewer manholes in the oldest parts of the district was made. Many of these manholes were of an old-fashioned type, and retained the sediment from the sewage. The larger proportion of these have been re-bottomed with proper half channel bends, and provision has been made for the completion of this work during the ensuing year.

For the purpose of cleaning, and preventing any further accumulation of solids in the sewers, the Sanitary Committee, after inspecting other districts, decided to fix to all the main sewers automatic flushing tanks, as the first step towards a proper method of cleaning and ventilating the sewers. These tanks are now in course of erection.

With regard to the complaints received of dampness in houses, I would suggest that the Bye-law No 9 (New Streets and Buildings) which provides for a layer of good concrete, 6 inches thick, over the whole of the site, should be rigidly enforced.

I have visited the schools in the district during the year and found them in order. They have been disinfected four times during the year with a powerful formalin spray. It is noteworthy that all the teachers in the schools realize the value of fresh air, by keeping the windows of the class rooms continually open.

As most of the diphtheria patients were below the age of 15 and attending schools, there is no doubt that school attendance is an important factor in the spread of this disease. I have removed to Hospital, children who had attended school the previous day, and whose homes and general surroundings were all that could be desired. The medical practitioners continue to use Swabs for bacteriological examination, and consequently many cases are notified that would otherwise have been neglected. Other cases are very mild, and in that respect dangerous, as it is difficult to get parents to take the necessary precautions to prevent the further spread of the disease. Contacts are not allowed to attend school, and apart from the regular disinfecting of the schools, class rooms are disinfected when necessary. Antitoxin is also used by the local medical practitioners.

The Infectious Diseases Hospital has been extended during the year, and the accommodation has been increased from 34 to 68 beds. This includes a convalescent ward with 16 beds, and an observation ward of 4 beds.

Housing.

During the year 6 self-contained houses and 21 tenements or flats have been erected. All new houses are provided with water closets and dry ashbins. During the year arrangements were made for conversion of 40 ashpits into water closets. In most of these cases the Town Council are responsible for one half the cost. The Sanitary Committee have also provided for the conversion of 100 ashpits into water closets for the year 1910. It is expected that all ashpits will be abolished in about two years; this will certainly prove a great sanitary improvement.

HOUSES UNFIT FOR HUMAN HABITATION.—Two houses have been closed as unfit for habitation.

Public Health (Tuberculosis) Regulations.

Under these regulations, 10 notifications were received from the officials of the Poor Law Authority, of persons suffering from Tuberculosis. I have visited these patients and given advice. The medical practitioners of the district sent 20 specimens of suspected cases for bacteriological examination; 15 were returned negative and 5 positive. This disease caused 53 deaths, being a rate of 1·8 per 1,000.

Dairies, Cowsheds, and Milk Shops.

There are 10 cowsheds in the district, and a total of 89 cows. I have, with the Sanitary Inspector, visited all these. The Town Council have adopted the Model Regulations of the Local Government Board respecting Cowsheds, Dairies, etc., which are now in operation.

Scavenging.

The scavenging of the district has on the whole been carried out in a very satisfactory manner, and very few complaints have been received. The whole of the work of cleansing ashpits, etc., has been done at night time during the whole of the year, which I consider a great improvement and recommend the same to be continued.

Factories and Workshops.

For details of work done under these Acts see Inspector's Report and Tables on pages 6, 7 and 8.

THOMAS WILSON,

MEDICAL OFFICER OF HEALTH.

1. Inspection of Factories, Workshops and Workplaces. (Including Inspections made by Sanitary Inspector).

Premises.	Number of—		
	Inspections.	Written Notices.	Prosecutions.
Factories (including Factory Laundries) ...	20	...	...
Workshops (including Workshop Laundries)	75	3	...
Workplaces (other than outworkers' premises included in Part 3 of this Report) ...	...	...	...
Total ...	95	3	...

2. Defects found in Factories, Workshops, and Workplaces.

Particulars.	Number of Defects.			Number of Prosecutions.
	Found.	Remedied	Referred to H.M. Inspector.	
Nuisances under the Public Health Acts—				
Want of Cleanliness	2	2	...	...
Want of Ventilation ... ..	...	...	...	...
Overcrowding	1	1	...	...
Want of Drainage of Floors ... ..	...	...	...	...
Other Nuisances ... ..	...	...	...	...
Sanitary Accommodation—				
Insufficient	2	2	2	...
Unsuitable or Defective	1	1	...	...
Not separate for sexes ... ..	...	...	...	...
Offences under the Factory and Workshop Act—				
Illegal occupation of underground bakehouse (s. 101) ... ..	...	...	...	...
Breach of special sanitary requirements for bakehouses (ss. 97 to 100) ... ..	...	...	...	...
Other Offences (excluding offences relating to outwork which are included in Part 3 of this Report) ... ..	...	...	...	...
Total	6	6	2	...

Section 22 of the Public Health Acts Amendment Act, 1890 is in force. The standard of sufficiency and suitability of sanitary accommodation for persons employed in factories and workshops is enforced according to Sanitary Accommodation Order of February 4th, 1903.

4. Registered Workshops.

Workshops on the Register (s. 131) at the end of the year.							Number.
Workshop	Bakehouses	...	...	...	...	...	4
„	Laundries	...	...	...	...	...	2
„	Plumbers	...	...	...	...	...	3
„	Tailors	...	...	...	...	...	3
„	Boot Repairing	...	...	...	...	...	4
„	Dressmakers	...	...	...	...	...	12
Other Workshops		...	...	...	...	...	19
Total Number of Workshops on Register							47

5. Other Matters.

Class.	Number.
Matters notified to H.M. Inspector of Factories—	
Failure to affix Abstract of the Factory and Workshop Act (s. 133) ... ..	...
Action taken in matters referred by H.M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Act (s. 5)—	
Notified by H.M. Inspector ... ..	...
Reports (of action taken) sent to H. M. Inspector	2
Other ... ..	...
Underground Bakehouses (s. 101)—	
Certificates granted during the year ... ..	...
In use at the end of the year ... ..	...

Births for each quarter and Births in the separate Wards.

BIRTHS.				BIRTHS IN EACH DISTRICT FOR THE QUARTER.						
	Boys.	Girls.	Total.	North-b'land.	Wall-send.	Car-ville.	Buddle	Holy Cross.	Had-rian.	Total.
January ...	28	42	70	8	13	5	10	29	5	70
February...	37	36	73	12	11	9	12	23	6	73
March ..	39	35	74	7	4	9	17	33	4	74
1st Quarter	104	113	217	27	28	23	39	85	15	217
April ...	49	28	77	8	14	11	14	23	7	77
May ...	43	33	76	6	12	10	11	32	5	76
June ..	40	46	86	11	12	8	14	32	9	86
2nd Quarter	132	107	239	25	38	29	39	87	21	239
July ...	43	28	71	8	16	8	7	29	3	71
August ...	36	33	69	2	16	9	7	28	7	69
September	31	37	68	5	12	9	15	24	3	68
3rd Quarter	110	98	208	15	44	26	29	81	13	208
October ...	24	36	60	4	6	5	12	27	6	60
November	34	24	58	4	9	7	7	25	6	58
December	35	34	69	8	11	9	10	26	5	69
4th Quarter	93	94	187	16	26	21	29	78	17	187
Total, 1909	439	412	851	83	136	99	136	331	66	851

Notification of Infectious Diseases in each Ward.

ENTERIC FEVER.

		Jan.	Feb	Mar	Apl.	My.	Jun.	Jly.	Aug	Sep.	Oct.	Nov	Dec	Total
Northumberland	2	1	...	...	...	2	...	...	...	...	5
Wallsend	2	...	2
Carville
Buddle
Holy Cross	1	...	...	...	1
Hadrian	1	...	...	...	...	...	...	1
		2	1	...	1	...	2	1	...	2	...	9

DIPHTHERIA.

Northumberland	...	...	...	...	1	1	...	3	...	...	1	...	...	6
Wallsend	...	...	...	2	1	5	...	...	4	...	...	...	...	12
Carville	...	1	1	...	5	3	...	1	...	...	2	3	1	17
Buddle	...	...	3	1	...	...	...	1	...	...	1	...	...	6
Holy Cross	...	...	...	2	4	4	2	2	3	2	3	5	3	30
Hadrian	...	3	...	...	2	2	...	...	1	...	...	...	...	8
		4	4	5	13	15	2	7	8	2	7	8	4	79

SCARLET FEVER.

Northumberland	...	...	...	...	...	...	1	...	5	...	...	3	...	9
Wallsend	...	...	1	2	2	2	1	1	...	...	...	7	2	18
Carville	...	...	1	2	...	...	1	...	4	2	4	1	1	16
Buddle	...	...	...	2	...	...	1	...	...	...	...	...	4	7
Holy Cross	...	1	1	5	8	4	2	4	...	2	10	9	4	50
Hadrian	...	...	...	...	...	...	1	...	1	...	3	2	...	7
		1	3	11	10	6	7	5	10	4	17	22	11	107

ERYSIPELAS.

		2	2	2	3	...	...	...	1	2	1	2	3	18

Deaths from Infectious Diseases in each Ward.

ENTERIC FEVER.

		Jan.	Feb	Mar	Apl.	My.	Jun.	Jly.	Aug	Sep.	Oct.	Nov	Dec	Total
Northumberland
Wallsend
Carville
Buddle
Holy Cross
Hadrian
...														

DIPHTHERIA.

Northumberland	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Wallsend	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Carville	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Buddle	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Holy Cross	...	...	...	...	1	...	...	...	1	...	1	...	1	4
Hadrian	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...														4

SCARLET FEVER.

Northumberland	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Wallsend	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Carville	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Buddle	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Holy Cross	...	...	1	...	1	...	...	...	...	...	1	...	...	3
Hadrian	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...														3

MEASLES.

Northumberland	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Wallsend	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Carville	...	...	1	...	...	...	...	...	...	...	...	...	...	1
Buddle	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Holy Cross	...	...	1	...	1	1	...	...	...	...	...	...	...	3
Hadrian	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...					2	...	...	1	...	1	...	...	...	4

INSPECTOR OF NUISANCES' REPORT.

Summary of Nuisances for the abatement of which notices were served during 1909 :—

Staircases repaired	7
Defective Drains—to repair	4
„ „ —to construct new drains	9
Choked Drains, etc.—to cleanse	7
Defective or Choked Sinks, Soil Pipes—to repair or cleanse	2
Sink Waste Pipes not trapped, etc.	3
Defective Pavement in yards	7
„ „ in passages	3
Dirty or Dilapidated Rooms—cleansed or repaired	2
Defective Gullies to Drains—new Gullies provided	16
Animals Improperly Kept	12
Offensive Accumulations	11
Defective Spouts and Downcomers	8
Smoke Nuisances	3
Overflowing Box Closets	10
Overcrowding	21
Homes without Water Supply	2
Defective Water Closets	7
„ Box Closets—to repair doors, roofs, etc.	49
Limewashing Cow Byres and Slaughter Houses	20
„ Bakehouses, Common Lodging House, Passages and Staircases	40
Minor Nuisances—Fish Offal, etc.	11
Insufficient Privy Accommodation	2
Dirty Bedding destroyed	2
Water Tank—to cleanse	1

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The tabulated returns do not show all the nuisances abated during the year, as the greater proportion of nuisances are abated after a personal interview with the responsible persons, in which case notices are not served.

Conversion of Ashpits.

Under the provisions of section 39 (3) of the Public Health Act Amendment Act, 1907, notice has been served upon the owners of 55 combined privies and open ashpits to substitute water closets and ash receptacles. The Town Council have prepared the plans and accepted

a tender for the conversion of 35; this work is now in progress. The Town Council have also adopted a recommendation of the Sanitary Committee to convert the remaining combined privies and ashpits into water closets, etc., at the rate of 100 per year. It is anticipated that the whole of this work will be completed in two years. Under the Public Health Act, 1875, 7 ashpits with 9 attached privies have been converted into water closets.

Ashpit Cleansing and Disposal of Refuse.

During the year, your Medical Officer and Inspector reported to the Sanitary Committee on the existing method of removing the contents of ashpits and box closets, during the day in the winter months, and recommended that this work should be carried out during the night, and this recommendation was approved.

				Tons
1900—Refuse taken to sea by hopper	...	...	...	14980
Refuse deposited on agricultural land	...	...	...	400
				<hr/>
			Total	15380
1908—Refuse disposed of	..	...	...	13697

The cost of removing ashpit refuse for the year shows an increase, which is accounted for by an increase in the stable account and an increase in the quantity of refuse removed. The work has been executed in a satisfactory manner. Ashpits have been cleansed and disinfected every two weeks and box closets weekly.

Slaughter Houses and Meat Inspection.

There are 15 licensed premises, which are renewable yearly, and 2 registered slaughter houses in the district. They are regularly visited on slaughtering days, for the purpose of inspecting the carcasses of animals intended for the food of man. The slaughter house bye-laws relating to whitewashing have been observed. In one instance, a notice to provide a proper water supply was served and complied with. Notices to provide proper covered galvanised iron receptacles for offal, etc., were served upon occupiers of slaughter houses, and have been complied with.

Three carcasses affected with tuberculosis have been condemned and destroyed. Two were 2 year old heifers, fully insured; the other was the carcase of a cow about 5 years old, and was partly insured.

Dairies, Cowsheds and Milkshops Order.

There are 10 cowsheds in the district, containing 89 cows. These have been visited regularly during the year. In one case the cow byre was found in a filthy condition. A statutory notice was served by the Town Council to cleanse and limewash. The ventilation and drainage was also defective. These defects were remedied after considerable trouble with the occupier of the cowshed, who could not realize that it was essential to his own interest to keep the cow byre in a decent condition. In the majority of cases, occupiers of cowsheds are

anxious to keep premises and cows clean. In other cases, where occupiers inform the inspector that the cow byre has been in *that* condition for many years, and therefore is good enough for the next generation, it is obvious that clean and healthy milk cannot be expected from such a place.

The Local Government Board has recently approved new regulations under this Order, which will shortly come into force. The air space per cow is increased from 400 to 800 cubic feet, and limewashing must be done at stated times.

The milkshops are also visited for the purpose of preventing contamination, especially in small general shops. In one case where disease had occurred, the milk supply was stopped.

22 gallons of ice cream and 1 gallon of milk were destroyed after a case of infectious disease was notified on registered milk premises. Samples of the ice cream and milk were sent to the Bacteriological Department of the College of Medicine, Newcastle, for examination. Upon our recommendation, the occupier removed his business to more suitable premises, where alterations were made to the satisfaction of the Sanitary Committee.

Common Lodging House.

There is one Common Lodging House in the district, situated in Benton Way. These premises have been partly destroyed by fire during the year. In the restoration, attention has been given to the provision of better exits in case of fire, permanent ventilation of the bedrooms and sitting rooms. Washbasins and a bath have been provided for the use of the lodgers. The Medical Officer and myself have visited this place frequently during the year. I have also visited the house during the night, and have noticed an improvement in the condition of the air in the bedrooms since the alterations. A Model Common Lodging House is needed in the district.

Factory and Workshop Act.

The workshops in the district have been twice inspected and found in order. The bootmaking department of the Wallsend Co-operative Society, Ltd., has been removed into a new model workshop. A large laundry has been erected for the Co-operative Society, where a number of women are employed. The accommodation for the employees is satisfactory. Owing to the use of an upright boiler with a short chimney at these works, a smoke nuisance has occurred. A sub-committee has interviewed the owners, who are about to substitute a horizontal boiler with a high chimney. There are no employers of out-workers in the district.

During the year two complaints of insanitary conditions in factories were received from H.M. Inspector of Factories. These complaints received attention from the owners and the result was reported to the Inspector.

All workshops have been inspected. The privy accommodation of two factories have been improved. Notices of eight new workshops have been received from H.M. Inspector of Factories, and the premises referred to have been inspected.

New Drains.

All new drains are subjected to a rigid water test and then covered in concrete. The Joint Fever Hospital has been considerably extended and a large amount of time devoted to the supervision and testing of the drains. The whole of the drains of seven houses have been taken up during the year, after defects were revealed by smoke test. Four were relaid with iron drains. The others were constructed in the usual way.

Infectious Diseases.

All cases of infectious disease are visited and premises examined, and their condition reported to the Sanitary Committee. All houses are disinfected, including premises where phthisis has occurred.

Each ward in the district is inspected by the Medical Officer of Health and myself, and most attention is given to the lower class parts of the district. An inspection of the district, under section 17 of the Housing, Town Planning, etc., Act, 1909, has been commenced.

WILLIAM JOHNSON,

INSPECTOR OF NUISANCES.



TABLE I.
Vital Statistics of Whole District of Wallsend-on-Tyne
during 1909 and Previous Years.

Year	Population estimated to Middle of each Year.	Births		Total Deaths Registered in the District				Total Deaths in Public Institutions in the District	Deaths of Non-residents in Public Institutions in the District	Deaths of Residents registered beyond the District	Nett Deaths at all ages belonging to the District	
				Under 1 year.		At all Ages					Number	Rate.*
		Number	Rate.*	Number.	Rate per 1000 Births registered	Number.	Rate.*					
1	2	3	4	5	6	7	8	9	10	11	12	13
1899	18,000	693	38·5	136	193·3	358	19·8		5		353	19·7
1900	20,000	748	35·6	97	129·6	303	15·1		12		291	14·5
1901	21,000	830	39·5	142	139·5	348	17·0		3		345	16·4
1902	21,500	856	39·8	119	139·0	360	16·7		3		357	16·6
1903	22,000	891	40·5	127	141·4	345	15·6		1		344	15·6
1904	22,500	913	40·5	141	151·4	346	15·2		2		344	15·3
1905	23,868	923	39·2	118	127·8	300	12·7		0	3	303	12·7
1906	25,481	959	37·6	142	148·0	386	15·1		11	0	375	14·7
1907	26,000	950	36·5	117	123·1	347	13·3		4	17	360	13·8
1908	28,000	993	35·4	113	113·3	320	11·4	1	—	21	341	12·2
Averages for years. 1899-1908	22,350	875	38·3	125	140·6	341	15·2	—	—	—	341	15·1
1909	29,000	851	29·34	107	125·7	346	11·9	7	2	21	365	12·5

* Rates in Columns 4, 8, and 13 calculated per 1000 of estimated population.

Area of District in acres (exclusive of area covered by water), 1096·5

Total population of all ages	20,918	} At Census of 1901
Number of inhabited houses	..	..	2,635
Average number of persons per house	..	..	7·9

TABLE II.

Vital Statistics of Separate Localities in 1909 and Previous Years.

Names of Localities.	WHOLE DISTRICT.				NORTHUMBERLAND.				WALLSEND.				CARVILLE.				BUDDLE.				HOLY CROSS.				HADRIAN.			
	Population esti- mated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.
1899	18,000	693	358	136	2642	104	48	16	3650	114	63	28	2726	150	68	22	3644	140	12	18	5773	236	89	40	2365	86	38	16
1900	20,000	748	303	97	3100	117	74	17	3790	118	71	20	3215	112	55	23	3884	170	44	17	7570	246	69	28	2365	93	47	14
1901	21,000	830	348	142	3162	102	47	24	3832	124	57	25	3276	121	65	26	3922	161	40	5	7744	294	110	38	2365	89	26	9
1902	21,500	856	360	119	3162	102	47	24	3832	124	57	25	3276	121	65	26	3922	161	40	5	7744	294	110	38	2365	89	26	9
1903	22,000	891	345	127	3162	102	47	24	3832	124	57	25	3276	121	65	26	3922	161	40	5	7744	294	110	38	2365	89	26	9
1904	22,500	913	346	141	5736	90	38	12	3743	162	60	26	3127	126	72	29	3595	157	37	14	7877	309	105	45	2060	69	34	15
1905	23,868	923	300	118	3719	86	29	12	2612	160	50	19	3239	112	42	17	3525	147	38	17	8707	315	106	49	2066	87	35	14
1906	25,481	959	386	142	2854	110	50	13	3695	156	71	28	3320	108	67	23	3809	174	47	16	9725	334	118	53	2078	77	33	9
1907	26,000	950	347	117	2750	84	52	14	3860	151	42	14	3500	133	58	17	3835	153	45	20	9985	362	113	45	2070	67	37	7
1908	28,000	993	341	113	2700	111	41	18	3800	168	53	20	3500	123	56	19	3800	177	35	13	12200	349	122	38	2000	65	34	5
Averages of years 1899 to 1908.	22,835	875	343	125																								
1909	29,000	851	365	110	2800	83	47	12	4000	136	74	20	3600	99	66	19	4100	136	39	12	12400	331	113	40	2100	66	26	7

TABLE III
Cases of Infectious Disease notified in Wallsend-on-Tyne during the Year 1909.

Notifiable Disease.	Cases Notified in whole District.					Total Cases Notified in each Locality.					No. of Cases removed to Hospital from each Locality.								
	At all Ages.	At Ages—Years.				Northum-berland.	Wallsend.	Carville.	Buddle.	Holy Cross.	Hadrian.	Northum-berland.	Wallsend.	Carville.	Buddle.	Holy Cross.	Hadrian.	Total Cases Re-moved to Hosp'l.	
		Under 1.	1 to 5.	5 to 15.	15 to 25.														25 to 65.	65 and up-wards.
Small-pox ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cholera ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria ..	81	25	37	12	7	..	..	..	..	..	..	..	..	..	..	..	..	..
Membranous Croup ..	18	..	2	4	11	1	1	2	1	7	3	..	..	..	..	..	..	..
Erysipelas ..	108	29	66	6	5	10	16	17	6	52	7	10	4	11	2	26	4	60	
Scarlet Fever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Typhus Fever ..	9	1	5	2	1	5	2	..	..	1	1	..	4	..	..	2	..	9
Enteric Fever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Relapsing Fever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Puerperal Fever ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Plague ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Totals ..	216	2	55	110	24	24	25	33	36	17	89	16	21	19	25	9	43	7	124

ISOLATION HOSPITAL :—Wallsend and Willington Quay (in Holy Cross Ward).

TABLE

Causes of, and Ages at, Death in

Causes of Death.	Deaths at the subjoined ages of "Residents" whether occurring in or beyond the District.						
	All Ages.	Under 1.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and up- wards.
Small-pox .. ..	..	..	..	..	..	..	..
Measles	5	2	3	..	..	..	..
Scarlet Fever	3	..	1	2	..	..	..
Whooping-cough.. ..	34	14	19	1	..	..	..
Diphtheria & Membraneous Croup	4	..	4	..	..	..	..
Croup .. ..	..	..	..	..	..	..	..
Typhus .. ..	..	..	..	..	..	..	..
Fever Enteric .. ..	..	..	..	..	..	..	..
Other Continued .. ..	..	..	..	..	..	..	..
Epidemic Influenza	1	..	..	..	..	1	..
Cholera .. ..	..	..	..	..	..	..	..
Plague .. ..	..	..	..	..	..	..	..
Diarrhœa	4	2	1	..	..	..	1
Enteritis	3	2	1	..	..	..	..
Gastritis	2	2	..	..	..	..	..
Puerperal Fever .. ..	..	..	..	..	..	..	..
Erysipelas .. ..	..	..	..	..	..	..	..
Phthisis (Pulmonary Tuber- culosis	35	1	1	1	6	26	..
Other Tuberculous Diseases	18	6	7	4	..	1	..
Cancer, Malignant Disease.. ..	17	..	..	..	..	13	4
Bronchitis	38	13	5	..	..	11	9
Pneumonia	35	15	12	..	..	6	2
Pleurisy	2	..	..	..	..	2	..
Other Diseases of Respira- tory Organs .. ..	..	..	..	..	..	..	..
Alcoholism	1	..	..	..	..	1	..
Cirrhosis of Liver } .. ..	..	..	..	..	..	..	..
Venereal Diseases	1	1	..	..	..	..	..
Premature Birth	15	15	..	..	..	..	..
Diseases and Accidents of Parturition	3	..	..	..	1	2	..
Heart Diseases	17	..	..	..	1	9	7
Accidents	9	..	1	..	..	4	4
Suicides.. ..	1	..	..	..	..	1	..
All other causes	117	37	11	7	..	26	36
All causes	365	110	66	15	8	103	63

IV.

Wallsend-on-Tyne during Year 1909.

Deaths at all ages of "Residents" belonging to Localities, whether occurring in or beyond the District.							Total Deaths whether of "Residents" or "Non- Residents" in Public Institutions in the District.
Northum- berland.	Walls- end.	Car- ville.	Buddle.	Holy Cross.	Had- rian.	Total.	
..
2	..	1	..	2	..	5	..
..	..	..	..	2	1	3	3
4	4	10	3	12	1	34	..
..	1	..	..	3	..	4	3
..
..
..
..	..	..	..	..	1	1	..
..
..
2	..	..	2	..	..	4	..
..	..	1	..	2	..	3	..
..	..	..	1	1	..	2	..
..
..
4	6	7	8	9	1	35	..
..	5	8	2	2	1	18	..
1	5	2	4	4	1	17	..
7	9	5	2	13	2	38	..
8	7	4	1	11	4	35	..
1	..	1	..	..	..	2	..
..
..	..	1	..	..	..	1	..
..	..	..	1	..	..	1	..
1	2	2	1	7	2	15	..
..	2	..	..	1	..	3	..
..	3	3	3	6	2	17	..
2	..	2	..	3	2	9	..
..	..	1	..	..	..	1	..
15	30	18	11	35	8	117	1
47	74	66	39	113	26	365	7

TABLE V.

Infantile Mortality in the Borough of Wallsend-on-Tyne during the year 1909.
Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.	Under 1 Week.	1 to 2 Weeks.	2 to 3 Weeks.	3 to 4 Weeks.	Total under 1 Month.	1 to 2 Months.	2 to 3 Months.	3 to 4 Months.	4 to 5 Months.	5 to 6 Months.	6 to 7 Months.	7 to 8 Months.	8 to 9 Months.	9 to 10 Months.	10 to 11 Months.	11 to 12 Months.	Total Deaths under 1 year.
	1 Week.	1 to 2 Weeks.	2 to 3 Weeks.	3 to 4 Weeks.	1 Month.	1 to 2 Months.	2 to 3 Months.	3 to 4 Months.	4 to 5 Months.	5 to 6 Months.	6 to 7 Months.	7 to 8 Months.	8 to 9 Months.	9 to 10 Months.	10 to 11 Months.	11 to 12 Months.	Total Deaths under 1 year.
ALL CAUSES—																	
Certified	24	4	4	4	37	10	10	6	2	7	3	7	8	9	3	8	110
Uncertified	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
COMMON INFECTIOUS DISEASES—																	
Small Pox	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chicken Pox	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	2
Measles	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...
Diphtheria (and Mem. Croup)	...	...	...	...	...	3	2	...	...	...	...	3	2	...	...	1	14
Whooping Cough	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	1	2
DIARRHOEAL DISEASES—																	
Diarrhoea, all forms	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	2
Enteritis	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	2
Gastritis	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	2
WASTING DISEASES—																	
Premature Birth	14	...	...	...	14	1	...	...	...	...	...	...	...	...	...	1	15
Congenital Defects	2	1	...	...	3	...	...	...	...	...	...	...	...	...	...	...	4
Injury at Birth	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Want of Breast-milk	...	...	1	1	2	...	1	1	...	...	...	...	...	...	1	...	2
Atrophy, Debility	5	1	...	...	9	3	1	2	...	...	...	...	...	...	...	...	18
TUBERCULOUS DISEASES—																	
Tuberculous Meningitis	...	...	...	...	...	...	1	...	...	...	...	1	...	1	...	1	3
Tuberculous Peritonitis	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	1	3
Other Tuberculous Diseases	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Erysipelas	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...
Syphilis	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Rickets	...	...	...	...	...	...	...	1	1	...	1	...	1	...	...	...	4
Meningitis	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	4
Convulsions	1	...	1	1	2	2	2	1	...	2	...	1	2	1	...	...	13
Bronchitis	...	...	...	...	...	...	1	...	...	...	...	1	2	...	...	2	...
Laryngitis	...	...	...	...	...	1	1	...	...	...	1	1	2	...	...	...	15
Pneumonia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Suffocation, Overlying	2	2	...	...	4	...	...	...	1	...	...	...	...	...	...	...	5
Other Causes	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	24	4	4	4	37	10	10	6	2	7	3	7	8	9	3	8	110

Births in the year—Legitimate, 835; Illegitimate: 16

Deaths from all Causes at all Ages, 365.

(Legitimate Infants, 106)